



2161

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. 7540.10

RECEIVED

INFORMATION  
DISCLOSURE STATEMENT  
37 CFR §1.97(b)

Application of

SEP 25 2002

James Morrison et al.

GROUP 3600

Serial No. 10/084,588

Group Art Unit: 2161

Filed: February 27, 2002

Examiner: Unknown

FOR: METHOD AND APPARATUS FOR DETECTING ITEM PLACEMENT AND  
ITEM REMOVAL DURING OPERATION OF A SELF-SERVICE  
CHECKOUT TERMINAL

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on SEP 20 2002 (Date of Deposit).

*Patricia Carthey*  
Patricia Carthey

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 CFR 1.56 and 1.97-1.98 with regard to the above-identified application, please find enclosed copies of the references listed on the enclosed form entitled "Information Disclosure Statement By Applicant". These references are generally related to self-checkout systems; and they include patents specifically related to self-checkout systems and cited in the prosecution of various NCR applications relating to self-checkout systems.

The following additional references not listed on the Information Disclosure Statement were cited during prosecution of the above-mentioned NCR applications relating to self-checkout systems but do not appear to be specifically related to self-checkout systems:

Patent No.	Issue Date	Title
3,263,774	08/02/1966	CONTROL APPARATUS
3,436,968	04/08/1969	PROCESSING CONTROL SYSTEM
3,681,570	08/01/1972	METHOD AND APPARATUS FOR IDENTIFYING ARTICLES
3,681,571	08/01/1972	SYSTEM FOR IDENTIFYING ARTICLES
3,696,586	10/10/1972	BAGGING AND CHECKOUT COUNTER SYSTEM
3,735,350	05/22/1973	CODE SCANNING SYSTEM
3,819,012	06/25/1974	MERCHANDISE HANDLING AND IDENTIFYING SYSTEM
3,869,575	03/04/1975	SPEECH-SYNTHESIS SYSTEM
3,947,817	03/30/1976	HAND OPERATED OPTICAL CHARACTER RECOGNITION

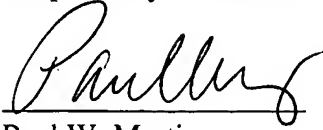
Patent No.	Issue Date	Title
		WAND
3,949,194	04/06/1976	CHECK-OUT TERMINAL
3,962,569	06/08/1976	VALUE COMPUTING SCALE
3,962,570	06/08/1976	SCALE WITH MANUAL TARE ENTRY
3,984,667	10/05/1976	MOTION DETECTING SCALE
3,986,012	10/12/1976	DIGITAL WEIGHT MEASURING AND COMPUTING APPARATUS WITH AUTOMATIC ZERO CORRECTION
4,004,139	01/18/1977	DIGITAL SCALE WITH MEANS TO SHIFT DISPLAYED WEIGHT TO SHOW FRACTION OF LEAST NORMALLY DISPLAYED GRADUATION
4,028,537	06/07/1977	PRODUCT PROCESSING SYSTEM WITH PRICE PRINTER
4,069,970	01/24/1978	DATA ACCESS CIRCUIT FOR A MEMORY ARRAY
4,114,721	09/19/1978	METHOD AND SYSTEM FOR ACOUSTIC NOISE LOGGING
4,138,000	02/06/1979	CHECKOUT COUNTER
4,177,880	12/11/1979	COMBINATION SUPERMARKET COUNTER AND CART THEREFOR
4,180,204	12/25/1979	AUTOMATIC INVENTORING SYSTEM
4,236,604	12/02/1980	START/STOP CONTROL OF CONVEYING MEANS
4,237,483	12/02/1980	SURVEILLANCE SYSTEM
4,327,819	05/04/1982	OBJECT DETECTION SYSTEM FOR A SHOPPING CART
4,347,903	09/07/1982	ELECTRONIC READING BALANCE
4,353,564	10/12/1982	SUPERMARKET COUNTER CONSTRUCTION AND METHOD OF USING SAME
4,369,334	01/18/1983	AUDIBLE ANNOUNCEMENT IN AN ELECTRONIC CASH REGISTER
4,369,361	01/18/1983	PORTABLE, STAND-ALONE, DESK-TOP LASER SCANNING WORKSTATION FOR INTELLIGENT DATA ACQUISITION TERMINAL AND METHOD OF SCANNING
4,377,741	03/22/1983	APPARATUS FOR PRODUCING UPDATED INFORMATION ON A TANGIBLE MEDIUM
4,392,535	07/12/1983	ZERO-POINT ADJUSTING METHOD FOR AUTOMATIC WEIGHING APPARATUS
4,412,298	10/25/1983	METHOD FOR TRACKING CREEP AND DRIFT IN A DIGITAL SCALE UNDER FULL LOAD
4,500,880	02/19/1985	REAL TIME, COMPUTER-DRIVEN RETAIL PRICING DISPLAY SYSTEM
4,509,129	04/02/1985	ELECTRONIC CALCULATING MACHINE WITH FACILITIES OF ANNOUNCING DATA INTRODUCED
4,529,871	07/16/1985	PRICE MARKING SYSTEM
4,549,867	10/29/1985	ELECTRONIC LEARNING AID WITH RANDOM NUMBER MODES
4,574,317	03/04/1986	HAND SCANNABLE PORTABLE COPIER AND METHOD
4,602,152	07/22/1986	BAR CODE INFORMATION SOURCE AND METHOD FOR DECODING SAME
4,605,080	08/12/1986	SPEECH RECOGNITION CONTROL SYSTEM AND METHOD
4,660,160	04/21/1987	ELECTRONIC WEIGHING DEVICE HAVING LABEL PRINTER WITH DATA STABILITY CHECK
4,661,908	04/28/1987	SALES DATA PROCESSING SYSTEM
4,688,105	08/18/1987	VIDEO RECORDING SYSTEM
4,709,770	12/01/1987	DEVICE FOR CORRECTING DYNAMIC WEIGHT SIGNAL FROM CONVEYER WEAHER

Patent No.	Issue Date	Title
4,723,118	02/02/1988	MAGNETIC DETECTION SYSTEM FOR ITEMS ON THE LOWER TRAY OF A SHOPPING CART
4,725,822	02/16/1988	SHOPPING CART WITH LOWER TRAY SIGNALLING DEVICE
4,734,713	03/29/1988	THERMAL PRINTER
4,736,098	04/05/1988	SIGNALLING METHOD AND APPARATUS FOR A CONVENTIONAL SHOPPING CART
4,766,296	08/23/1988	ARTICLE CHECKOUT COUNTER AND SYSTEM
4,766,299	08/23/1988	HAND-MOUNTED BAR CODE READER
4,800,493	01/24/1989	ELECTRONIC CASH REGISTER
4,838,383	06/13/1989	APPARATUS FOR CHECKING OUT PURCHASES
4,866,661	09/12/1989	COMPUTER CONTROLLED RENTAL AND SALE SYSTEM AND METHOD FOR A SUPERMARKET AND THE LIKE
4,881,606	11/21/1989	POINT-OF-SALE APPARATUS
4,914,280	04/03/1990	OPTICAL WAND INTERFACE TO FIXED SCANNER
4,959,530	09/25/1990	ARTICLE PRICE INDICATOR
4,964,167	10/16/1990	APPARATUS FOR GENERATING SYNTHESIZED VOICE FROM TEXT
4,971,177	11/20/1990	DATA GATHERING SYSTEM HOUSING/MOUNTING
4,975,948	12/04/1990	RAPID DIALING METHOD FOR TELECOMMUNICATIONS
5,053,636	10/01/1991	OVERRIDE CIRCUIT FOR MEDICAL TABLE
5,058,691	10/22/1991	INFRARED DETECTOR FOR ENSURING CORRECT WEIGHING
5,079,412	01/07/1992	POINT OF SALE DATA PROCESSING APPARATUS FOR HANDY TYPE BAR CODE READER WHICH CAN BE FLUSH MOUNTED
5,121,103	06/09/1992	LOAD ISOLATED ARTICLE SURVEILLANCE SYSTEM AND ANTENNA ASSEMBLY
5,123,494	06/23/1992	ANTI-THEFT WEIGHING SYSTEM
5,139,100	08/18/1992	POINT-OF-SALE SCANNER/SCALE SYSTEM WITH SCALE ACTIVATION OF SCANNER
5,140,145	08/18/1992	BAR CODE READER TEST AND TAMPERING INDICATION SYSTEM
5,142,161	08/25/1992	HAND-HELD OPTICAL SCANNER AND HIGHLIGHTER
5,149,211	09/22/1992	PRINTERS AND ANCILLARY SYSTEMS
5,174,399	12/29/1992	POINT-OF-SALE SCANNER/SCALE SYSTEM WITH SCALE ACTIVATION OF SCANNER
5,177,345	01/05/1993	MERCHANDISE SCANNER FOR RETAIL STORES
5,177,800	01/05/1993	BAR CODE ACTIVATED SPEECH SYNTHESIZER TEACHING DEVICE
5,178,234	01/12/1993	CHECKOUT APPARATUS
5,189,291	02/23/1993	BAR CODE READER OPERABLE AS REMOTE SCANNER OR WITH FIXED TERMINAL
5,195,613	03/23/1993	COMMODITY DATA READER
5,230,391	07/27/1993	WEIGHER-CONVEYOR SYSTEM
5,231,293	07/27/1993	BAR CODE READING INSTRUMENT WHICH PROMPTS OPERATOR TO SCAN BAR CODES PROPERLY
5,256,864	10/26/1993	SCANNING SYSTEM FOR PREFERENTIALLY ALIGNING A PACKAGE IN AN OPTIMAL SCANNING PLANE FOR DECODING A BAR CODE LABEL
5,265,075	11/23/1993	VOICE PROCESSING SYSTEM WITH EDITABLE VOICE

Patent No.	Issue Date	Title
		FILES
5,293,319	03/08/1994	POSTAGE METER SYSTEM
5,314,631	05/24/1994	STATIONARY BAR CODE READER WHICH CAN BE DETECTED AND SEPARATED INTO A HAND-HELD BAR CODE READER
5,334,826	08/02/1994	METHOD AND APPARATUS FOR EXTENDING AND CONFIRMING THE SERVICE LIFE OF SEMICONDUCTOR LASER OF BAR CODE READER BY DETECTING CURRENT INCREASE CORRESPONDING TO TEMPERATURE OF SEMICONDUCTOR LASER
5,335,171	08/02/1994	ELECTRONIC REGISTER
5,365,050	11/15/1994	PORTABLE DATA COLLECTION TERMINAL WITH VOICE PROMPT AND RECORDING
5,374,815	12/20/1994	TECHNIQUE FOR LOCATING ELECTRONIC LABELS IN AN ELECTRONIC PRICE DISPLAY SYSTEM
5,382,779	01/17/1995	SHELF PRICE LABEL VERIFICATION APPARATUS AND METHOD
5,393,965	02/28/1995	FLEXIBLE MERCHANDISE CHECKOUT AND INVENTORY MANAGEMENT SYSTEM
5,406,063	04/11/1995	HAND-HELD DATA SCANNER HAVING ADJUSTABLE KEYBOARD PANEL
5,410,108	04/25/1995	COMBINED SCANNER AND SCALE
5,412,191	05/02/1995	SERVICE DESK FOR THE REGISTRATION, BOOKING AND/OR PAYMENT OF GOODS, VOUCHERS AND THE LIKE
5,424,521	06/13/1995	ARTICLE CHECKOUT SYSTEM WITH PRICE PARAMETER OVERRIDE CAPACITY
5,448,226	09/05/1995	SHELF TALKER MANAGEMENT SYSTEM
5,454,063	09/26/1995	VOICE INPUT SYSTEM FOR DATA RETRIEVAL
5,461,561	10/24/1995	SYSTEM FOR RECOGNIZING DISPLAY DEVICES
5,478,989	12/26/1995	NUTRITIONAL INFORMATION SYSTEM FOR SHOPPERS
5,482,139	01/09/1996	AUTOMATED DRIVE-UP VENDING FACILITY
5,488,202	01/30/1996	WEIGHING DEVICE FOR THE REGISTRATION OF GOODS IN STORES
5,493,107	02/20/1996	SHELF PRICE LABEL AND PRODUCT PLACEMENT VERIFICATION METHOD AND APPARATUS
5,493,613	02/20/1996	COMBINATION PIN PAD AND TERMINAL
5,500,890	03/19/1996	POINT-OF-SALE SYSTEM USING MULTI-THREADED TRANSACTIONS AND INTERLEAVED FILE TRANSFER
5,525,786	06/11/1996	MULTIDIRECTIONAL SCAN, PLATFORM PURCHASE CHECKOUT SYSTEM
5,546,475	08/13/1996	PRODUCE RECOGNITION SYSTEM
5,577,165	11/19/1996	SPEECH DIALOGUE SYSTEM FOR FACILITATING IMPROVED HUMAN-COMPUTER INTERACTION
5,579,000	11/26/1996	AUDIO/VIDEO PRICE CONFIRMATION SYSTEM
5,594,469	01/14/1997	HAND GESTURE MACHINE CONTROL SYSTEM
5,644,630	07/01/1997	INTERCOM SYSTEM FOR A SERVICE ESTABLISHMENT
5,708,782	01/13/1998	METHOD AND APPARATUS FOR DISPENSING DISCOUNT COUPONS
5,721,536	02/24/1998	AUDIO/VIDEO PRICE CONFIRMATION SYSTEM
5,740,744	04/21/1998	THROUGH-WALL TYPE AUTOMATIC CUSTOMER SERVICE APPARATUS

Patent No.	Issue Date	Title
5,756,978	05/26/1998	MODULAR OPTICAL MEMORY CARD IMAGE DISPLAY POINT OF SALE TERMINAL
5,756,984	05/26/1998	HANDY SCANNER
5,769,269	06/23/1998	VENDING SYSTEM
5,780,825	07/14/1998	AUTOMATIC TELLER MACHINE INCLUDING A HALT REQUESTING MECHANISM IN A DURSS PERIOD
5,784,446	07/21/1998	METHOD AND APPARATUS FOR INSTALLING TELEPHONE INTERCOM-VOICE MESSAGING APPARATUS AT DOORBELL FOR DWELLING
5,801,371	09/01/1998	OPTICAL READER WITH INDEPENDENT TRIGGERING AND GRAPHICAL USER INTERFACE
5,801,766	09/01/1998	SECURITY SYSTEM FOR USE AT A ROULETTE TABLE
5,832,417	11/03/1998	APPARATUS AND METHOD FOR AN AUTOMATIC SELF-CALIBRATING SCALE
5,832,457	11/03/1998	METHOD AND APPARATUS FOR SELECTIVE DISTRIBUTION OF DISCOUNT COUPONS BASED ON PRIOR CUSTOMER BEHAVIOR
5,837,991	11/17/1998	CARD TRANSPORT MECHANISM AND METHOD OF OPERATION
5,845,259	12/01/1998	ELECTRONIC COUPON DISPENSING SYSTEM
5,884,281	03/16/1999	ELECTRONIC GROCERY LISTER
5,890,135	03/30/1999	SYSTEM AND METHOD FOR DISPLAYING PRODUCT INFORMATION IN A RETAIL SYSTEM
5,914,473	06/22/1999	METHOD OF SCANNING BAR CODES OF BULKY ITEMS
5,925,872	07/20/1999	SCANNING SYSTEM FOR EITHER HAND-HELD OR STATIONARY OPERATION FOR READING 1-D OR 2-D BARCODES
5,950,173	09/07/1999	SYSTEM AND METHOD FOR DELIVERING CONSUMER PRODUCT RELATED INFORMATION TO CONSUMERS WITHIN RETAIL ENVIRONMENTS USING INTERNET-BASED INFORMATION SERVERS AND SALES AGENTS
5,970,470	10/10/1999	SYSTEM AND METHOD FOR ESTABLISHING AND MANAGING SUBSCRIPTION PURCHASE AGREEMENTS INCLUDING COMMITMENTS TO PURCHASE GOODS OVER TIME AT AGREED UPON PRICES
5,979,757	11/09/1999	METHOD AND SYSTEM FOR PRESENTING ITEM INFORMATION USING A PORTABLE DATA TERMINAL
5,984,177	11/16/1999	MULTIPLE CONFIGURATION AUTOMATIC TELLER MACHINE
5,993,047	11/30/1999	APPARATUS AND METHOD FOR REQUESTING AND DISPENSING NEGOTIABLE INSTRUMENTS
5,997,170	12/07/1999	SYSTEM AND METHOD FOR REPORTING VENDING STATUS
6,000,522	12/14/1999	MULTI-COMPARTMENT AND ACCEPTORS COMPUTERIZED VENDING MACHINE
6,002,808	12/14/1999	HAND GESTURE CONTROL SYSTEM
6,056,194	05/02/2000	SYSTEM AND METHOD FOR NETWORKING AND CONTROLLING VENDING MACHINES
D296788	07/19/1988	COMBINED PORTABLE DATA SCANNER AND PRINTER
RE35758	04/17/1990	VOICE/DATA-FORMATTED TELEPHONE INFORMATION STORAGE AND RETRIEVAL SYSTEM

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul W. Martin", written over a horizontal line.

Paul W. Martin

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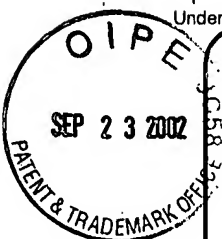
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 6

## **Complete if Known**

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161
Examiner Name	Unknown
Attorney Docket Number	7540.10

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		3,182,357		Tuttle	05-11-1965	
		3,688,873		Potrafke	09-05-1972	
		3,725,895		Haynes	04-03-1973	
		3,836,755		Ehrat	09-17-1974	
		3,878,365		Schwartz	04-15-1975	
		4,071,740		Gogulski	01-31-1978	
		4,084,742		Silverman	04-18-1978	
		4,373,133		Clyne et al.	02-08-1983	
		4,583,083		Bogasky	04-15-1986	
		4,583,619		Fry	04-22-1986	
		4,676,343		Humble et al.	01-30-1987	
		4,679,154		Blanford	07-07-1987	
		4,715,457		Amacher et al.	12-29-1987	
		4,775,782		Mergenthaler et al.	10-04-1988	
		4,779,706		Mergenthaler	10-25-1988	
		4,787,467		Johnson	11-29-1988	
		4,789,048		Cramer et al.	12-06-1988	
		4,792,018		Humble et al.	12-20-1988	
		4,909,356		Rimondi et al.	03-20-1990	
		4,929,819		Collins, Jr.	05-29-1990	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		BE	899018			06-18-1984		
		DE	1927819			02-04-1971		
		DE	2125869			12-07-1972		
		DE	3114139 A1			11-04-1982		
		DE	3330301 A1			03-14-1985		
		EP	0060701 B1			09-22-1982		
		EP	0124355 B1			11-07-1984		
		EP	0178223 A2			04-16-1986		
		EP	0491348 A2			06-24-1992		
		EP	0811958 A2			12-10-1997		

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 6

## **Complete if Known**

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161
Examiner Name	Unknown
Attorney Docket Number	7540.10

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		4,940,116		O'Connor et al.	07-10-1990	
		4,947,028		Gorog	08-07-1990	
		4,964,053		Humble	10-16-1990	
		5,004,916		Collins, Jr.	04-02-1991	
		5,040,636		Forsythe et al.	08-20-1991	
		5,083,638		Schneider	01-28-1992	
		5,115,888		Schneider	05-26-1992	
		5,125,465		Schneider	06-30-1992	
		5,139,100		Brauneis	08-18-1992	
		5,168,961		Schneider	12-08-1992	
		5,174,413		Cappi et al.	12-29-1992	
		5,191,749		Cappi et al.	03-09-1993	
		5,250,789		Johnsen	10-05-1993	
		5,297,030		Vassigh et al.	03-22-1994	
		5,315,097		Collins, Jr. et al.	05-24-1994	
		5,340,970		Wolfe, Jr. et al.	08-23-1994	
		5,343,025		Usui	08-30-1994	
		5,345,071		Dumont	09-06-1994	
		5,361,871		Gupta et al.	11-08-1994	
		5,375,680		Ikeda et al.	12-27-1994	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		EP	0905656 A2			03-31-1999		
		GB	2068132 A			08-05-1981		
		GB	2285687 A			07-19-1995		
		JP	5314367			11-26-1993		
		JP	11328299			11-30-1999		

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Sheet 3 of 6

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First Named Inventor	James Morrison et al.
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		5,378,860		Dingfelder et al.	01-03-1995	
		5,397,882		Van Solt	03-14-1995	
		5,398,191		Komai	03-14-1995	
		5,424,524		Ruppert et al.	06-13-1995	
		5,426,282		Humble	06-20-1995	
		5,426,423		Raimbault et al.	06-20-1995	
		5,434,394		Roach et al.	07-18-1995	
		5,437,346		Dumont	08-01-1995	
		5,448,046		Swartz	09-05-1995	
		5,457,307		Dumont	10-10-1995	
		5,484,991		Sherman et al.	01-16-1996	
		5,485,006		Allen et al.	01-16-1996	
		5,489,773		Kumar	02-06-1996	
		5,494,136		Humble	02-27-1996	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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Sheet 4 of 6

**Complete if Known**

<b>Application Number</b>	10/084,588
<b>Filing Date</b>	February 27, 2002
<b>First Named Inventor</b>	James Morrison et al.
Group Art Unit	2161
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	7540.10

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Sheet 5 of 6

## Complete if Known

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161
Examiner Name	Unknown
Attorney Docket Number	7540.10

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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Sheet 6 of 6

### Complete if Known

Application Number	10/084,588
Filing Date	February 27, 2002
First Named Inventor	James Morrison et al.
Group Art Unit	2161
Examiner Name	Unknown
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